

# **SIMULATION OF $di/dt$ -INDUCED POWER SUPPLY VOLTAGE VARIATION**

## **Abstract of the Disclosure**

A mechanism is disclosed for determining a voltage at a device in a power delivery network. The mechanism includes determining an impulse response for the power delivery network, and tracking the current consumed by the device as it operates over a sequence of clock cycles. The activity profile is filtered using a representation of the impulse response to provide a profile of the voltages at the device.